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|--|--|----------------------------------|--|-------------------------------|--|
| FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u> | | ATTY. DOCKET NO. 1689.0240000 | | APPLICATION NO. 10/072,984 | |
| | | APPLICANT Shanks et al. | | | |
| | | FILING DATE February 12, 2002 | | GROUP 2832 2636 | |

| U.S. PATENT DOCUMENTS | | | | | | | |
|-----------------------|-----|-----------------|---------|----------------|-------|-----------|-------------|
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
| <i>W</i> | AA1 | 3,520,406 | 07/1970 | Turner | 209 | 576 | |
| <i>W</i> | AB1 | 3,689,885 | 09/1972 | Kaplan et al. | 340 | 10.1 | |
| <i>W</i> | AC1 | 4,071,908 | 01/1978 | Brophy et al. | 340 | 825.02 | |
| <i>W</i> | AD1 | 4,225,953 | 09/1980 | Simon et al. | 340 | 825.49 | |
| <i>W</i> | AE1 | 4,418,411 | 11/1983 | Strietzel | 340 | 870.16 | |
| <i>W</i> | AF1 | 4,471,345 | 09/1984 | Barrett, Jr. | 340 | 572.14 | |
| <i>W</i> | AG1 | 4,495,496 | 01/1985 | Miller, III | 340 | 10.2 | |
| <i>W</i> | AH1 | 4,533,871 | 08/1985 | Boetzkes | 340 | 10.2 | |
| <i>W</i> | AI1 | 4,598,275 | 07/1986 | Ross et al. | 340 | 573.4 | |
| <i>W</i> | AJ1 | 4,636,950 | 01/1987 | Caswell et al. | 340 | 10.42 | |
| <i>W</i> | AK1 | 4,656,463 | 04/1987 | Anders et al. | 340 | 573.4 | |

| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|-----|-----------------|---------|---------|-------|-----------|--|
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
| <i>W</i> | AL1 | EP 0 467 036 | 01/1992 | Europe | G01S | 13/74 | <input checked="" type="radio"/> Yes <input type="radio"/> No |
| <i>W</i> | AM1 | EP 0 494 114 | 07/1992 | Europe | G07C | 9/00 | <input checked="" type="radio"/> Yes <input type="radio"/> No |
| <i>W</i> | AN1 | EP 0 496 986 | 08/1992 | Europe | H04L | 1/16 | <input checked="" type="radio"/> Yes <input type="radio"/> No |
| <i>W</i> | AO1 | EP 0 578 457 | 01/1994 | Europe | G06K | 17/00 | <input checked="" type="radio"/> Yes <input type="radio"/> No |
| <i>W</i> | AP1 | EP 0 585 132 | 03/1994 | Europe | G01S | 13/78 | <input checked="" type="radio"/> Yes <input type="radio"/> No |

| OTHER (Including Author, Title, Date, Pertinent Pages, etc.) | | | |
|--|----|---|---|
| <i>W</i> | AR | 1 | Plug and Play ISA Specification - Version 1.0a, Intel Corporation and Microsoft Corporation, May 5, 1994, pages 1-65. |
| <i>W</i> | AS | 1 | Copy of International Search Report issued October 1, 2002 for Appln. No. PCT/US02/03989, 8 pages. |
| <i>W</i> | AT | 1 | Wade, W., "Micron To Acquire ID Tech, ID Micro," Today's Electronic News, Gainers Publication, Vol. 43, No. 2183, September 1, 1997, page 16. |

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| EXAMINER: <i>Van Trien</i> | DATE CONSIDERED: <i>4/14/04</i> |
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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| | APPLICANT Shanks et al. | |
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U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB- CLASS | FILING DATE |
|---------------------|-----|--------------------|---------|--------------------|-------|---------------|-------------|
| <i>N</i> | AA2 | 4,862,160 | 08/1989 | Ekchian et al. | 340 | 10.32 | |
| <i>N</i> | AB2 | 4,931,788 | 06/1990 | Creswick | 340 | 10.33 | |
| <i>N</i> | AC2 | 5,124,699 | 06/1992 | Tervoert et al. | 340 | 572.3 | |
| <i>N</i> | AD2 | 5,214,409 | 05/1993 | Beigel | 340 | 572.1 | |
| <i>N</i> | AE2 | 5,245,534 | 09/1993 | Waterhouse et al. | 340 | 591 | |
| <i>N</i> | AF2 | 5,266,925 | 11/1993 | Vercellotti et al. | 340 | 505 | |
| <i>N</i> | AG2 | 5,289,372 | 02/1994 | Guthrie et al. | 340 | 5.92 | |
| <i>N</i> | AH2 | 5,313,052 | 05/1994 | Watanabe et al. | 235 | 375 | |
| <i>N</i> | AI2 | 5,339,073 | 08/1994 | Dodd et al. | 340 | 5.61 | |
| <i>N</i> | AJ2 | 5,356,516 | 10/1994 | Ashby et al. | 428 | 332 | |
| <i>N</i> | AK2 | 5,365,551 | 11/1994 | Snodgrass et al. | 504 | 206 | |

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| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB- CLASS | TRANSLATION |
|---------------------|-----|-----------------|---------|---------|-------|---------------|--|
| <i>N</i> | AL2 | EP 0 598 624 | 05/1994 | Europe | G01S | 13/02 | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <i>N</i> | AM2 | EP 0 615 285 | 09/1994 | Europe | H01L | 21/60 | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <i>N</i> | AN2 | EP 0 702 323 A2 | 03/1996 | Europe | G06K | 17/00 | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <i>N</i> | AO2 | EP 0 702 324 A2 | 03/1996 | Europe | G06K | 17/00 | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <i>N</i> | AP2 | WO 93/05485 | 03/1993 | PCT | G07G | 1/12 | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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| EXAMINER | <i>Van Driem</i> | DATE CONSIDERED | 4/14/04 |
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| | | | | APPLICANT Shanks et al. | | | |
| | | | | FILING DATE February 12, 2002 | | GROUP 2832 2636 | |

| U.S. PATENT DOCUMENTS | | | | | | | |
|-----------------------|-----|-----------------|---------|------------------|-------|-----------|-------------|
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
| <i>W</i> | AA3 | 5,390,360 | 02/1995 | Scop et al. | 340 | 10.2 | |
| <i>W</i> | AB3 | 5,410,315 | 04/1995 | Huber | 340 | 10.32 | |
| <i>W</i> | AC3 | 5,420,577 | 05/1995 | Kim et al. | 340 | 825.52 | |
| <i>W</i> | AD3 | 5,430,441 | 07/1995 | Bickley et al. | 340 | 10.2 | |
| <i>W</i> | AE3 | 5,434,572 | 07/1995 | Smith | 342 | 44 | |
| <i>W</i> | AF3 | 5,434,775 | 07/1995 | Sims et al. | 705 | 8 | |
| <i>W</i> | AG3 | 5,444,223 | 08/1995 | Blama | 235 | 435 | |
| <i>W</i> | AH3 | 5,446,447 | 08/1995 | Carney et al. | 340 | 572.4 | |
| <i>W</i> | AI3 | 5,469,142 | 11/1995 | Bergman et al. | 340 | 572.3 | |
| <i>W</i> | AJ3 | 5,478,991 | 12/1995 | Watanabe et al. | 235 | 375 | |
| <i>W</i> | AK3 | 5,479,416 | 12/1995 | Snodgrass et al. | 714 | 785 | |

| FOREIGN PATENT DOCUMENTS | | | | | | | |
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| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
| <i>W</i> | AL3 | WO 99/26462 | 06/1999 | PCT | | | Yes No |
| <i>W</i> | AM3 | WO 00/26993 | 05/2000 | PCT | H01Q | 21/20 | Yes No |
| | AN3 | | | | | | Yes No |
| | AO3 | | | | | | Yes No |
| | AP3 | | | | | | Yes No |

| OTHER (Including Author, Title, Date, Pertinent Pages, etc.) | | | |
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| EXAMINER <i>Van Tran</i> | DATE CONSIDERED <i>4/14/04</i> |
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| | APPLICANT Shanks et al. | |
| | FILING DATE February 12, 2002 | GROUP 2832 2636 |

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| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB- CLASS | FILING DATE |
|---------------------|-----|--------------------|---------|------------------|-------|---------------|-------------|
| <i>n</i> | AA4 | 5,489,908 | 02/1996 | Orthmann et al. | 340 | 10.32 | |
| <i>n</i> | AB4 | 5,499,017 | 03/1996 | Beigel | 340 | 572.1 | |
| <i>n</i> | AC4 | 5,500,650 | 03/1996 | Snodgrass et al. | 342 | 42 | |
| <i>n</i> | AD4 | 5,515,053 | 05/1996 | Hecht et al. | 340 | 10.2 | |
| <i>n</i> | AE4 | 5,519,381 | 05/1996 | Marsh et al. | 340 | 572.7 | |
| <i>n</i> | AF4 | 5,528,222 | 06/1996 | Moskowitz et al. | 340 | 572.7 | |
| <i>n</i> | AG4 | 5,528,232 | 06/1996 | Verma et al. | 340 | 825.49 | |
| <i>n</i> | AH4 | 5,537,105 | 07/1996 | Marsh et al. | 340 | 10.32 | |
| <i>n</i> | AI4 | 5,539,394 | 07/1996 | Cato et al. | 340 | 10.32 | |
| <i>n</i> | AJ4 | 5,539,775 | 07/1996 | Tuttle et al. | 375 | 145 | |
| <i>n</i> | AK4 | 5,541,928 | 07/1996 | Kobayashi et al. | 340 | 825.52 | |

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| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB- CLASS | TRANSLATION |
|---------------------|-----|--------------------|------|---------|-------|---------------|-------------|
| | AL4 | | | | | | Yes No |
| | AM4 | | | | | | Yes No |
| | AN4 | | | | | | Yes No |
| | AO4 | | | | | | Yes No |
| | AP4 | | | | | | Yes No |

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| EXAMINER <i>Van Tien</i> | DATE CONSIDERED 4/14/04 |
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| FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u> | ATTY. DOCKET NO. 1689.0240000 | APPLICATION NO. 10/072,984 |
| | APPLICANT Shanks et al. | |
| | FILING DATE February 12, 2002 | GROUP 2832 2636 |

| U.S. PATENT DOCUMENTS | | | | | | | |
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| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
| <i>W</i> | AA5 | 5,550,547 | 08/1996 | Chan et al. | 342 | 42 | |
| <i>W</i> | AB5 | 5,557,280 | 09/1996 | Marsh et al. | 342 | 44 | |
| <i>W</i> | AC5 | 5,566,441 | 10/1996 | Marsh et al. | 29 | 600 | |
| <i>W</i> | AD5 | 5,576,692 | 11/1996 | Tompkins et al. | 340 | 571 | |
| <i>W</i> | AE5 | 5,583,819 | 12/1996 | Roesner et al. | 340 | 10.51 | |
| <i>W</i> | AF5 | 5,583,850 | 12/1996 | Snodgrass et al. | 370 | 342 | |
| <i>W</i> | AG5 | 5,591,951 | 01/1997 | Doty | 340 | 10.3 | |
| <i>W</i> | AH5 | 5,602,538 | 02/1997 | Orthmann et al. | 340 | 10.2 | |
| <i>W</i> | AI5 | 5,627,517 | 05/1997 | Theimer et al. | 340 | 572.1 | |
| <i>W</i> | AJ5 | 5,627,544 | 05/1997 | Snodgrass et al. | 342 | 42 | |
| <i>W</i> | AK5 | 5,640,151 | 06/1997 | Reis et al. | 340 | 572.1 | |

| FOREIGN PATENT DOCUMENTS | | | | | | | |
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| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
| | AL5 | | | | | | Yes No |
| | AM5 | | | | | | Yes No |
| | AN5 | | | | | | Yes No |
| | AO5 | | | | | | Yes No |
| | AP5 | | | | | | Yes No |

| OTHER (Including Author, Title, Date, Pertinent Pages, etc.) | | | |
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| EXAMINER <i>Van Tien</i> | DATE CONSIDERED 4/16/04 |
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| FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u> | ATTY. DOCKET NO. 1689.0240000 | APPLICATION NO. 10/072,984 |
| | APPLICANT Shanks et al. | |
| | FILING DATE February 12, 2002 | GROUP 2832 2686 |

| U.S. PATENT DOCUMENTS | | | | | | | |
|-----------------------|-----|-----------------|---------|-------------------|-------|-----------|-------------|
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
| <i>W</i> | AA6 | 5,646,607 | 07/1997 | Schürmann et al. | 340 | 10.2 | |
| <i>W</i> | AB6 | 5,648,765 | 07/1997 | Cresap et al. | 340 | 10.4 | |
| <i>W</i> | AC6 | 5,648,767 | 07/1997 | O'Connor et al. | 340 | 928 | |
| <i>W</i> | AD6 | 5,673,037 | 09/1997 | Cesar et al. | 340 | 10.32 | |
| <i>W</i> | AE6 | 5,680,459 | 10/1997 | Hook et al. | 705 | 65 | |
| <i>W</i> | AF6 | 5,686,888 | 11/1997 | Welles, II et al. | 340 | 539.13 | |
| <i>W</i> | AG6 | 5,686,902 | 11/1997 | Reis et al. | 340 | 10.2 | |
| <i>W</i> | AH6 | 5,689,239 | 11/1997 | Turner et al. | 340 | 10.3 | |
| <i>W</i> | AI6 | 5,742,618 | 04/1998 | Lowe | 714 | 797 | |
| <i>W</i> | AJ6 | 5,774,876 | 06/1998 | Woolley et al. | 340 | 10.5 | |
| <i>W</i> | AK6 | 5,798,693 | 08/1998 | Engellenner | 340 | 10.33 | |

| FOREIGN PATENT DOCUMENTS | | | | | | | |
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| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
| | AL6 | | | | | | Yes No |
| | AM6 | | | | | | Yes No |
| | AN6 | | | | | | Yes No |
| | AO6 | | | | | | Yes No |
| | AP6 | | | | | | Yes No |

| OTHER (Including Author, Title, Date, Pertinent Pages, etc.) | | | |
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| EXAMINER <i>Van Tien</i> | DATE CONSIDERED 4/14/04 |
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| FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u> | ATTY. DOCKET NO. 1689.0240000 | APPLICATION NO. 10/072,984 |
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| U.S. PATENT DOCUMENTS | | | | | | | |
|-----------------------|-----|-----------------|---------|-----------------|-------|-----------|-------------|
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
| <i>W</i> | AA7 | 5,856,788 | 01/1999 | Walter et al. | 340 | 10.2 | |
| <i>W</i> | AB7 | 5,887,176 | 03/1999 | Griffith et al. | 340 | 10.33 | |
| <i>W</i> | AC7 | 5,917,422 | 06/1999 | Adamec et al. | 340 | 10.52 | |
| <i>W</i> | AD7 | 5,959,568 | 09/1999 | Woolley | 342 | 42 | |
| <i>W</i> | AE7 | 5,963,133 | 10/1999 | Monjo | 340 | 572.1 | |
| <i>W</i> | AF7 | 6,002,344 | 12/1999 | Bandy et al. | 340 | 572.1 | |
| <i>W</i> | AG7 | 6,025,780 | 02/2000 | Bowers et al. | 340 | 572.3 | |
| <i>W</i> | AH7 | 6,057,756 | 05/2000 | Engellenner | 340 | 505 | |
| <i>W</i> | AI7 | 6,058,374 | 05/2000 | Guthrie et al. | 705 | 28 | |
| <i>W</i> | AJ7 | 6,354,493 B1 | 03/2002 | Mon | 235 | 380 | |
| <i>W</i> | AK7 | 6,388,569 B1 | 05/2002 | Engellenner | 340 | 505 | |

| FOREIGN PATENT DOCUMENTS | | | | | | | |
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| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
| | AL7 | | | | | | Yes No |
| | AM7 | | | | | | Yes No |
| | AN7 | | | | | | Yes No |
| | AO7 | | | | | | Yes No |
| | AP7 | | | | | | Yes No |

| OTHER (Including Author, Title, Date, Pertinent Pages, etc.) | | | |
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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
1689.0240000APPLICATION NO.
10/072,984APPLICANT
Shanks et al.FILING DATE
February 12, 2002GROUP
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U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB- CLASS | FILING DATE |
|---------------------|-----|--------------------|---------|-----------------|-------|---------------|-------------|
| <i>W</i> | AA8 | 5,030,807 | 07/1991 | Landt et al. | 235 | 325 | |
| <i>W</i> | AB8 | 5,912,632 | 06/1999 | Dieska et al. | 340 | 10.5 | |
| <i>W</i> | AC8 | 6,097,347 | 08/2000 | Duan et al. | 340 | 572.7 | |
| <i>W</i> | AD8 | 6,215,401 B1 | 04/2001 | Brady et al. | 340 | 572.7 | |
| <i>W</i> | AE8 | 6,271,793 B1 | 08/2001 | Brady et al. | 343 | 700 MS | |
| <i>W</i> | AF8 | 6,286,762 B1 | 09/2001 | Reynolds et al. | 235 | 472.01 | |
| | AG8 | | | | | | |
| | AH8 | | | | | | |
| | AI8 | | | | | | |
| | AJ8 | | | | | | |
| | AK8 | | | | | | |

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| | AL8 | | | | | | Yes No |
| | AM8 | | | | | | Yes No |
| | AN8 | | | | | | Yes No |
| | AO8 | | | | | | Yes No |
| | AP8 | | | | | | Yes No |

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EXAMINER

Van Trien

DATE CONSIDERED

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